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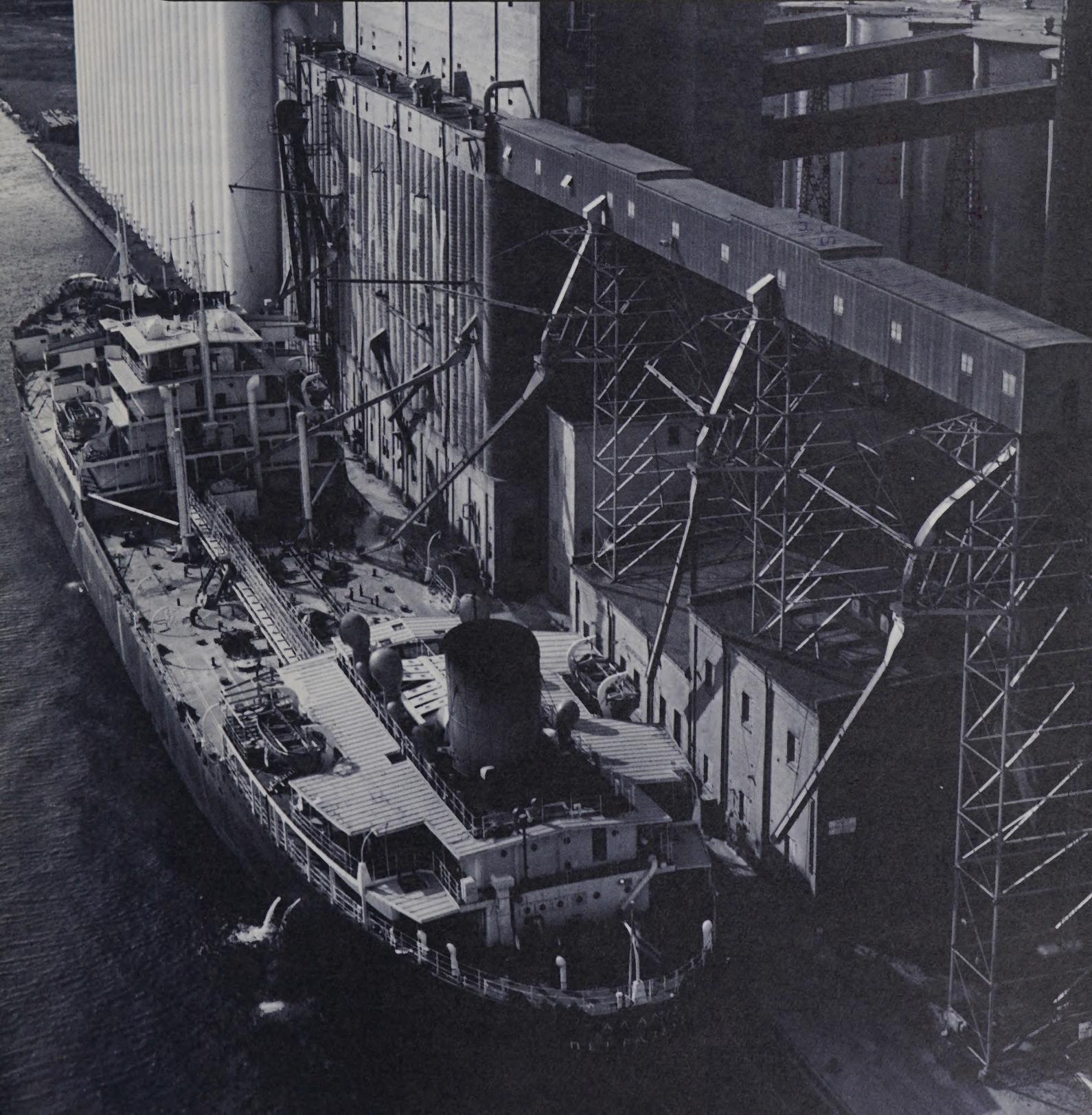
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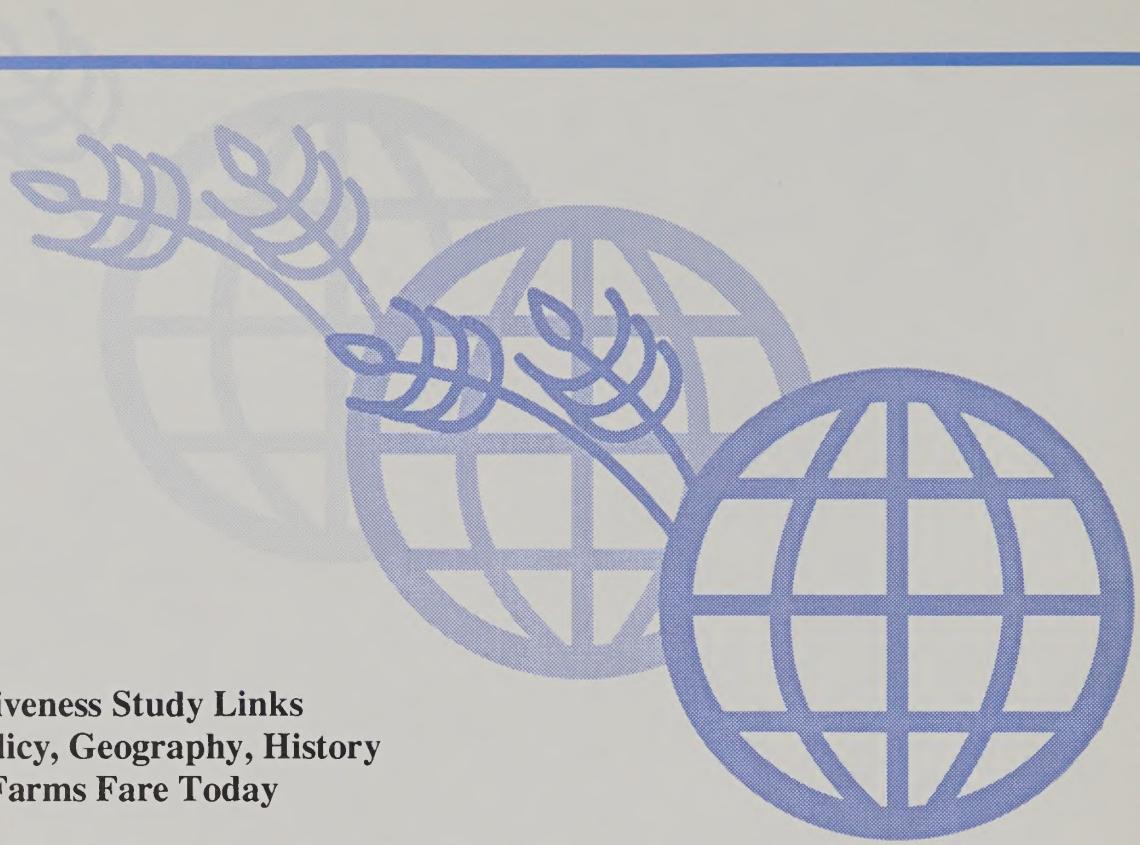
REPORTS

AGRICULTURE • ECONOMICS

from USDA's Economics Agencies

Summer 1993





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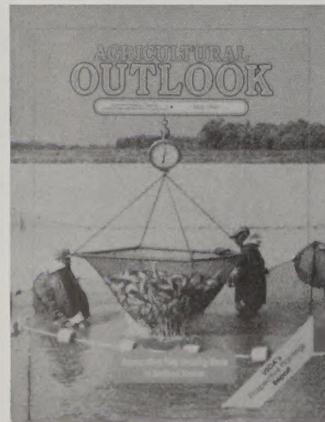
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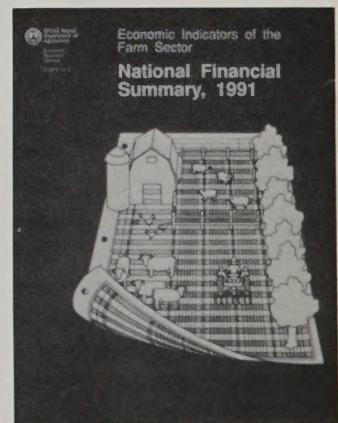
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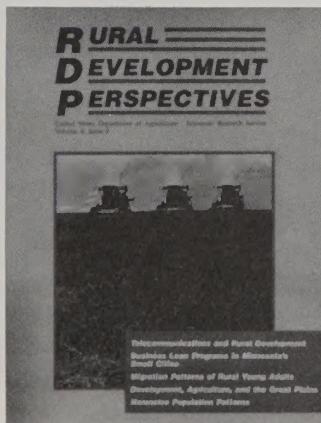


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Rice Stocks. Rough and milled rice stocks on and off farms, first of Decem-

ber, March, August, and October by State. 4 issues. **Order # PRS.** 1 yr, \$15; 2 yrs, \$28; 3 yrs, \$41.

Cotton Ginnings. Reports cotton ginned to date during August through March at the national, State, and county levels. 13 issues mailed approximately twice per month during the August-March ginning season, plus an annual summary. **Order # PCG.** 1 yr, \$25; 2 yrs, \$48; 3 yrs, \$71.

Hop Stocks. Grower, dealer, and brewer stocks March 1 and September 1 for the United States. 2 issues. **Order # PHS.** 1 yr, \$13; 2 yrs, \$24; 3 yrs, \$35.



Fruit, Nut, and Vegetable Series

Cherry Production. Mid-June production forecast for 1993 crop, Great Lakes States. Annual, June. **Order # ZCP.** 1 yr, \$7; 2 yrs, \$12; 3 yrs, \$17.

Citrus Fruits. Summary of acreage, yield, production, use, price, and value, 1992-93 crop and revised 1991-92 crop. Annual, September. **Order # ZCF.** 1 yr, \$10; 2 yrs, \$18; 3 yrs, \$26.

Noncitrus Fruits and Nuts. Mid-year and annual summary of acreage, yield, production, use, price, and value of crop, by State. 2 issues. **Order # PNF.** 1 yr, \$14; 2 yrs, \$26; 3 yrs, \$38.

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Broiler Hatchery. Number of broiler chicks placed and broiler-type eggs set in incubators during the previous week

in the 15 major broiler-producing States. Weekly. **Order # PBH.** 1 yr, \$52; 2 yrs, \$102; 3 yrs, \$152. **NOTE:** This periodical is also available electronically. See back cover for details.

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Poultry Slaughter. Number of head and pounds slaughtered under Federal inspection by class, and estimated total poultry slaughtered. 12 issues. **Order # PPY.** 1 yr, \$22; 2 yrs, \$42; 3 yrs, \$62.

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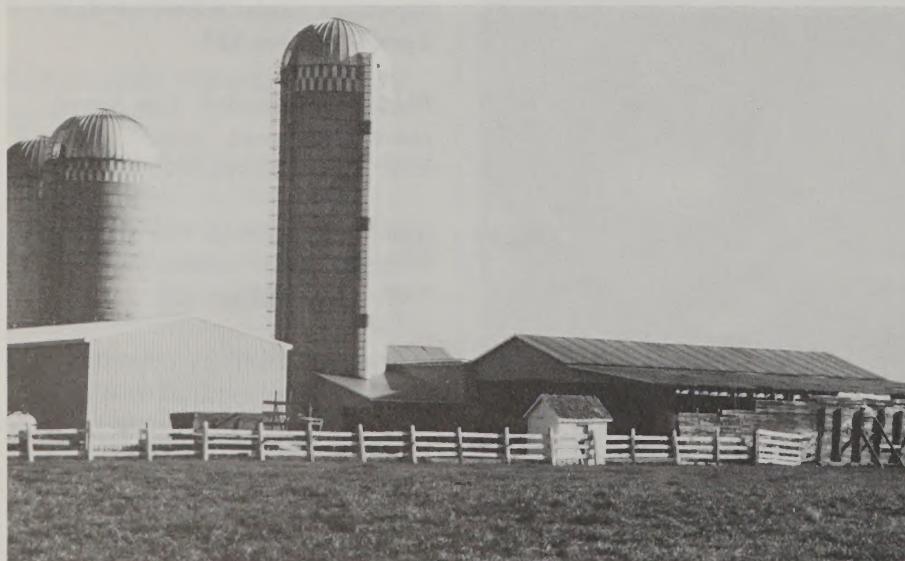
Dairy Products. Production of butter, cheese, frozen products, evaporated, condensed, and dry milk and whey products. Shipments, stocks, and prices of dry milk and whey products. 12 issues plus summary. **Order # PDP.** 1 yr, \$25, 2 yrs, \$48; 3 yrs, \$71.

Milk Production. Number of milk cows, production per cow, and total milk production. 12 issues plus copy of *Milk Production, Disposition, and Income*. **Order # PMP.** 1 yr, \$22; 2 yrs, \$42; 3 yrs, \$62.

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Agricultural Prices Annual. Summary of indexes of prices received and paid by farmers; prices for farm commodities and prices paid for production items, by State. Annual, July. **Order # ZAP.** \$1 yr, \$12; 2 yrs, \$22; 3 yrs, \$32.



Crop Values. Season average prices and value of production of principal crops, including revised data for previous year. Note: State estimates for fruits and nuts included in *Noncitrus Fruits and Nuts Annual*. Annual, January. Order # ZCV. 1 yr, \$11; 2 yrs, \$20; 3 yrs, \$29.

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Agricultural Chemical Usage. Mailed twice a year, the March issue, *Field Crops*, shows chemical application rates and acres treated, by State and the United States, for corn, cotton, potatoes, rice, soybeans, and wheat; the June issue alternates annually from *Fruits and Nuts to Vegetables*. Each shows chemical application rates and acres treated for selected commodities in major producing States. Order # PCU. 1 yr, \$17; 2 yrs, \$32; 3 yrs, \$47.

Catfish Processing. Processors' monthly reports on farm-raised catfish. Roundweight purchased, prices paid, inventory, quantity sold, and price. 12 issues plus 4 *Catfish Production* (includes grower inventory numbers by size groups, and some sales and cost of production data). Order # PCF. 1 yr, \$25; 2 yrs, \$48; 3 yrs, \$71.

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Farm Numbers and Land in Farms. Number of farms in operation, and average size (acreage) of farms, individual States and U.S. totals. Sales class estimates for number of farms, land in farms, and average size of farms for U.S. and selected States. Annual, July. Order # ZFL. 1 yr, \$10; 2 yrs, \$18; 3 yrs, \$26.

Farm Labor. Regional and national data for unpaid, hired, and self-employed workers and wage rates. Annual average wage rates for hired workers are published in November. 4 issues. Order # PFL. 1 yr, \$15; 2 yrs, \$28; 3 yrs, \$41.

Floriculture Crops. Area of production and sales of cut flowers, flowering potted plants, foliage, bedding/garden plants, cut cultivated greens, and special Hawaiian crops. Annual, April. Order # ZFC. 1 yr, \$12; 2 yrs, \$22; 3 yrs, \$32.

Honey. Annual report of number of colonies of bees, honey production, price, and value, and honey stocks as of December 15, by State. Annual, February. Order # ZHO. 1 yr, \$10; 2 yrs, \$18; 3 yrs, \$26.

Mink. Number of mink pelts produced during the marketing year, number of females bred to produce pelts, number of mink farms, average marketing price per pelt, and value of pelts produced. Annual, July. Order # ZMI. 1 yr, \$10; 2 yrs, \$18; 3 yrs, \$26.

Mushrooms. Area, production, price, and value, by variety, all producing States, utilization, and intentions for coming year. Annual, August. Order # ZMU. 1 yr, \$10; 2 yrs, \$18; 3 yrs, \$26.

Trout Production. Grower sales and cost of production for selected States. Annual, October. Order # ZTP. 1 yr, \$10; 2 yrs, \$18; 3 yrs, \$26.

New Monographs from ERS

The U.S. Enterprise for the Americas Initiative: Support for Western Hemisphere Economic and Trade Reform, by Kenneth Forsythe and Liana Neff. 27 pp. April 1993.

Economic and trade reforms are the focus of Western Hemisphere countries under the U.S. Enterprise for the Americas Initiative (EAI). The EAI proposes three goals: liberalizing trade, reducing debt owed to the United States by less developed countries (LDC's), and increasing foreign investment in LDC's. No longer following protectionist import-substitution policies, regional and subregional groups of countries are promoting unilateral reductions in trade barriers and greater international interaction by their members.

Stock # AIB-660 \$9.00

CAP Reform: A New Era for EC Agriculture, by Mary Lisa Madell. 12 pp. June 1993.

The European Community's reform of its Common Agricultural Policy will alter EC production, consumption, and trade of most major commodities beginning in the 1993/94 marketing year. Unlike previous reforms in the CAP's 30-year history, this program significantly changes the policy tools used to support farms.

Stock # A1B-674 \$6.00

Agricultural Policies and Performance in Central and Eastern Europe, 1989-92, by Nancy J. Cochrane and others. 72 pp. February 1993.

Central and Eastern European agriculture changed dramatically in the past 3 years with the introduction of market pricing, open borders, and increased freedom of entry and exit for firms. The upside: post-reform surpluses rather than the usual tight supplies or outright shortages. The downside: poor farm financial performance under new terms of trade; unresolved land and asset ownership issues; depressed demand because of rise in consumer prices.

Stock # FAER-247 \$12.00

The Role of Stocks in World Grain Market Stability, by Jerry Sharples and Steve Martinez. 19 pp. April 1993.

Over the past 12 years, world grain stocks, mainly those of the United States, the European Community, Canada, and India, have helped to stabilize supplies and to reduce the variability of world grain prices. That finding suggests that economists should examine the implications of future reductions in grain stocks, the possible result of policy changes and trade liberalization.

Stock # FAER-248 \$9.00

**Sugar and Corn Sweetener:
Changing Demand and Trade in
Mexico, Canada, and the United
States**, by Peter Buzzanell and Ron Lord.
12 pp. April 1993.

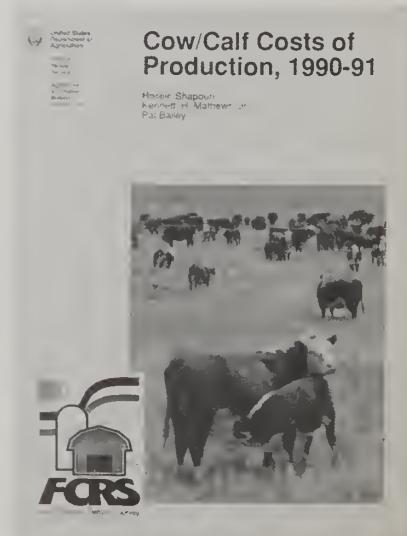
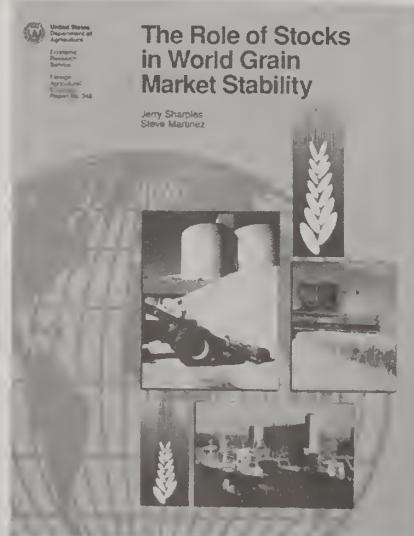
The trade flows in sugar and high-fructose corn sweetener (HFCS) between Mexico, Canada, and the United States consist mainly of U.S. exports of refined sugar to Mexico, U.S.-Canadian two-way trade in sugar and HFCS, and recent growth in U.S. HFCS exports to Mexico. In 1980-92 sugar trade, Canadian imports held steady, U.S. imports fell, and Mexico switched from being a net exporter to a net importer.

Stock # A1B-655 \$6.00

Cow-Calf Costs of Production, 1990-91, by Hosein Shapouri, Kenneth H. Mathews, Jr., and Pat Bailey. 24 pp. May 1993.

Finds that net returns after both cash and economic costs improved for cow/calf producers in 1990 and 1991. Cash receipts were the highest ever in nominal terms. Feed costs constituted 26-38 percent of total cash costs.

Stock # A1B-670 \$9.00



Changes in the Red Meat and Poultry Industries: Their Effect on Nonmetro Employment, by Dennis M. Brown. 24 pp. March 1993.

This report explores growth in the red meat and poultry industries and how it will affect employment in nonmetro America. Growth in the red meat packing and poultry processing industries will probably expand, but only in the areas where they already have a presence: the Plains States and Corn Belt for red meat and the Delmarva Peninsula, Southeast, Arkansas, and Texas for poultry. Because of greater labor intensity in poultry processing, the local employment effect of a change in final demand for meat products is larger for areas specializing in the poultry industry than in the red meat industry.

Stock # AER-665 \$9.00

An Evaluation of Fluid Milk and Cheese Advertising, by Theresa Y. Sun and James R. Blaylock. 36 pp. February 1993.

Increased spending on advertising boosted fluid milk sales by 5 percent (about 7.5 billion pounds) during September 1984-September 1991. Sales of natural cheese consumed at home rose by about 25 million pounds, and processed cheese sales rose by about 290 million pounds in the period because of increased generic advertising. An assessment of 15 cents per hundredweight of milk sold commercially, mandated by the Dairy and Tobacco Adjustment Act of 1983, funded the increased advertising.

Stock # TB-1815 \$9.00

Characteristics and Production Costs of U.S. Grain Sorghum Farms, 1990, by John E. Jinkins and William D. McBride. 19 pp. February 1993.

U.S. farmers produced 573 million bushels of grain sorghum on 9.1 million acres in 1990. More than 75 percent of output was centered in the Central and Southern Plains. The average cost of producing grain sorghum on surveyed farms was \$71.30 in variable cash expenses per acre, about



\$1.26 per bushel. About 57 percent of surveyed farms produced 70 percent of the total harvest at or below that average cost.

Stock # AIB-661 \$9.00

Farm Business Balance Sheet, 1960-91: United States and by State, by Kenneth Erickson and others. 228 pp. May 1993.

This report furnishes the latest farm business balance sheet estimates developed by ERS. These estimates incorporate numerous revisions in estimating procedures and changes in available data. National and State-level estimates of assets, debt, and equity are presented for 1960-91.

Stock # SB-856 \$15.00

Using Cash, Futures, and Options Contracts in the Farm Business, by Richard G. Heifner, Bruce H. Wright, and Gerald E. Plato. 42 pp. April 1993.

Shows that contracting enables farmers to reduce income uncertainty by assuring prices and outlets for their crops and livestock before the products are actually delivered. For example, a commodity options contract can be used to set approximate lower or upper bounds on prices for commodities to be sold or bought later. The farmer's choice of

contracts depends on the commodities produced or used as inputs, and the farmer's financial situation and risk preferences.

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An Alternative for Reducing Federal Crop Insurance Program Losses, by Joseph Glauber and others. 28 pp. May 1993.

The Federal Crop Insurance Program saw indemnities exceed premiums by \$2.5 billion in the 1980's, a decade of widespread drought and rapid growth in insurance participation. This excess loss, after years of mostly small surpluses, reveals a wide variation in performance among crops and regions. More than half the excess losses were for soybeans, mainly in Mississippi, Louisiana, Arkansas, and Georgia, and for wheat, mostly in North Dakota and Montana. This report describes an alternative crop insurance program with payments based on yield losses in a geographic area rather than those experienced by individual producers, which may help reduce excess losses. Such a pilot program is being tested for soybeans.

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Limited Opportunity Farm Households in 1988, by Janet E. Perry and Mary C. Ahearn. 12 pp. February 1993.

A 1988 survey revealed that more than 200,000 farm operator households had limited economic opportunities. These households were small farms officially below the poverty threshold because of low human capital, generally older operators, or operators with less formal education. Farm policies that focus on agricultural production or off-farm job development are of limited help to these households.

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The Economic Well-Being of Farm Operator Households, 1988-90, by Mary Ahearn, Janet Perry, and Hisham El-Osta. 173 pp. January 1993.

In inaugurating a new USDA farm household income series, this report, based on household data from the Farm Costs and Returns Survey, describes the characteristics of farm operator households, their farm businesses, and their sources of off-farm income. The average farm household now has an income comparable to that for all households, although well-being varies significantly. About 90 percent of farm operator households received income from off-farm sources.

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Characteristics of Large-Scale Farms, 1987, by Donn A. Reimund and Judith Z. Kalbacher. 24 pp. April 1993.

Uses 1987 data (the most recent available) and earlier Census of Agriculture data to summarize the major structural and financial characteristics of large-scale farms. Although the total number of farms in the United States declined during 1982-87, large-scale farms (annual sales of \$500,000 or more) increased in both absolute numbers and as a percentage of all farms.

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The Farm Entrepreneurial Population, 1988-90, by Margaret A. Butler. 33 pp. February 1993.

This report analyzes census data on income, education, and other characteristics of the farm entrepreneurial group. About 5.7 million people lived in households tied to a farm business in 1990, compared with almost 4.6 million in the farm population as conventionally defined by place of residence. The farm entrepreneurial population includes people who derive all or part of their livelihood from farm operations but do not necessarily live on a farm.

Changes in Farm and Farm-Related Employment, 1975-89, by T. Alexander Majchrowicz and Jacqueline Salsgiver. 30 pp. April 1993.

Farm and farm-related employment rose by 5.1 million jobs during 1975-89, but most of the growth was in off-farm agricultural wholesale and retail trade. Onfarm production jobs dropped by 780,000, continuing the long-term decline fueled by new technology replacing labor and periods of unfavorable farm economic conditions. Farm production accounted for less than 14 percent (3.2 million in 1989) of the 23 million U.S. farm and farm-related jobs, which include businesses that provide farm inputs and process or sell agricultural goods.

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Farm Real Estate: Historical Series Data, 1950-92, John Jones and Patrick N. Canning. 68 pp. May 1993.

Farmland value increased an average 2.4 percent per year during 1987-92, compared with an annual decline of 6.6 percent during 1981-86. Area in farmland has fallen every year since 1954, from 1.2 billion acres to 977 million acres in 1992. The number of farms has dropped every year since 1950, from 5.6 million to 2.1 million in 1992. Stock # **SB 855** \$12.00

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December 31, 1992: County-Level
Data, by Margaret Butler and J. Peter
DeBraal. 136 pp. May 1993.**

Shows that the 14.5 million acres of foreign-owned U.S. agricultural land resided in 1,921 of the 3,041 counties. Data are presented for each county to show the number of acres and parcels, value, country of origin, and use of foreign-owned agricultural land.

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The Family Support Act: Will It Work in Rural Areas? ed. by Robert A. Hoppe. 225 pp. April 1993.

The Family Support Act (FSA) is major welfare reform legislation that focuses on the Aid to Families with Dependent Children (AFDC) program. The FSA requires States to set up a Job Opportunities and Basic Skills Training program to help families leave AFDC through education, training, and employment; requires stricter enforcement of child-support orders; and extends AFDC to married-couple families with an unemployed parent. Although the FSA should help some rural families escape the welfare rolls, it is not a cure-all for poverty. The FSA's ultimate success will depend on State and local abilities to implement the program.

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Agricultural and Rural Economic and Social Indicators, compiled by Edward Reinsel. 61 pp. March 1993.

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Ethanol and Agriculture: Effect of Increased Production on Crop and Livestock Sectors, by Robert House and others. 16 pp. May 1993.

Finds that expanded ethanol production (5 billion gallons by the year 2000), up from a projected 1.2 billion gallons for that year, would increase U.S. farm income by as much as \$1 billion per year and dampen oil imports. Corn growers, who harvest the primary feedstock for ethanol, would benefit most from improved technology and increased demand. Products like corn gluten meal and gluten feed left over from the ethanol conversion process, however, compete with soybean meal, so soybean growers in the South may see revenues drop.

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Emerging Technologies in Ethanol Production, by Neil Hohmann and C. Matthew Rendleman. 17 pp. January 1993.

The fuel ethanol industry is poised to adopt a wide range of technologies that would reduce costs at every stage of production. This report examines the likelihood of near- and long-term cost reductions in producing ethanol, as well as the potential of biomass (agricultural residues, municipal and yard waste, energy crops like switchgrass) to supplement corn as an ethanol feedstock. Growing consumer acceptance of ethanol-blended fuels, incentives to gasoline blenders, and falling costs of production ignited a jump in ethanol production from insignificance in 1977 to 900 million gallons in 1991.

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Estimation of Aggregate U.S. Demands for Fertilizer, Pesticides, and Other Inputs: A Model for Policy Analysis, by C. Matthew Rendleman. 28 pp. March 1993.

Presents elasticity estimates of substitution that are consistent both with data on input use and with the assumptions of commonly used CGE models. One way to meet environmental goals like water quality improvement is to restrict inputs, such as cutting fertilizer or pesticide use. The report ends with a partial equilibrium analysis of a 10-percent fertilizer charge and a 10-percent pesticide charge.

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Demand and Substitution of Agricultural Inputs in the Central Corn Belt States, by Jorge Fernandez-Cornejo. 27 pp. February 1993.

This study estimates shortrun and long-run elasticities for agricultural inputs, along with elasticities of substitution, using a theoretically consistent restricted profit function and a series of decomposition equations. Producers' responsiveness to price changes of fertilizer and pesticides is very small in the short run and moderate in the long run.

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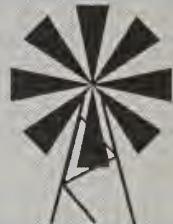
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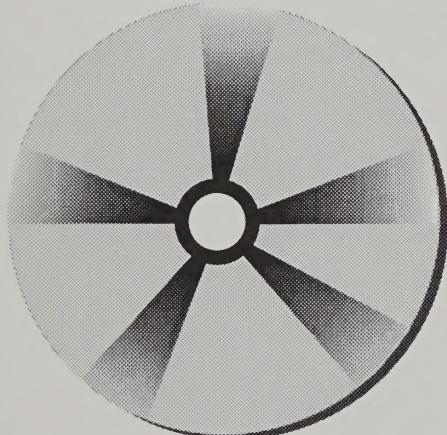
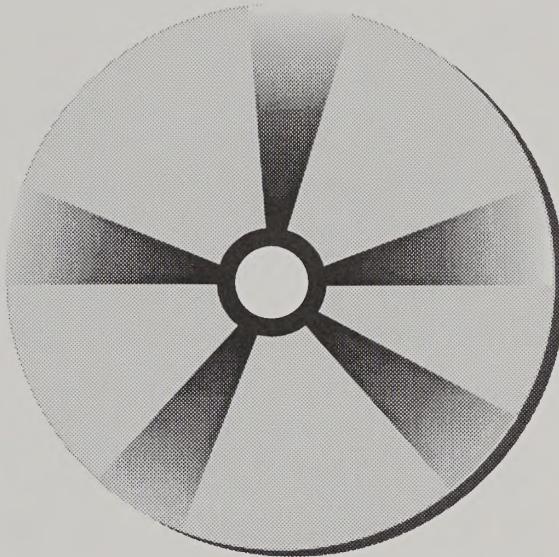
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